

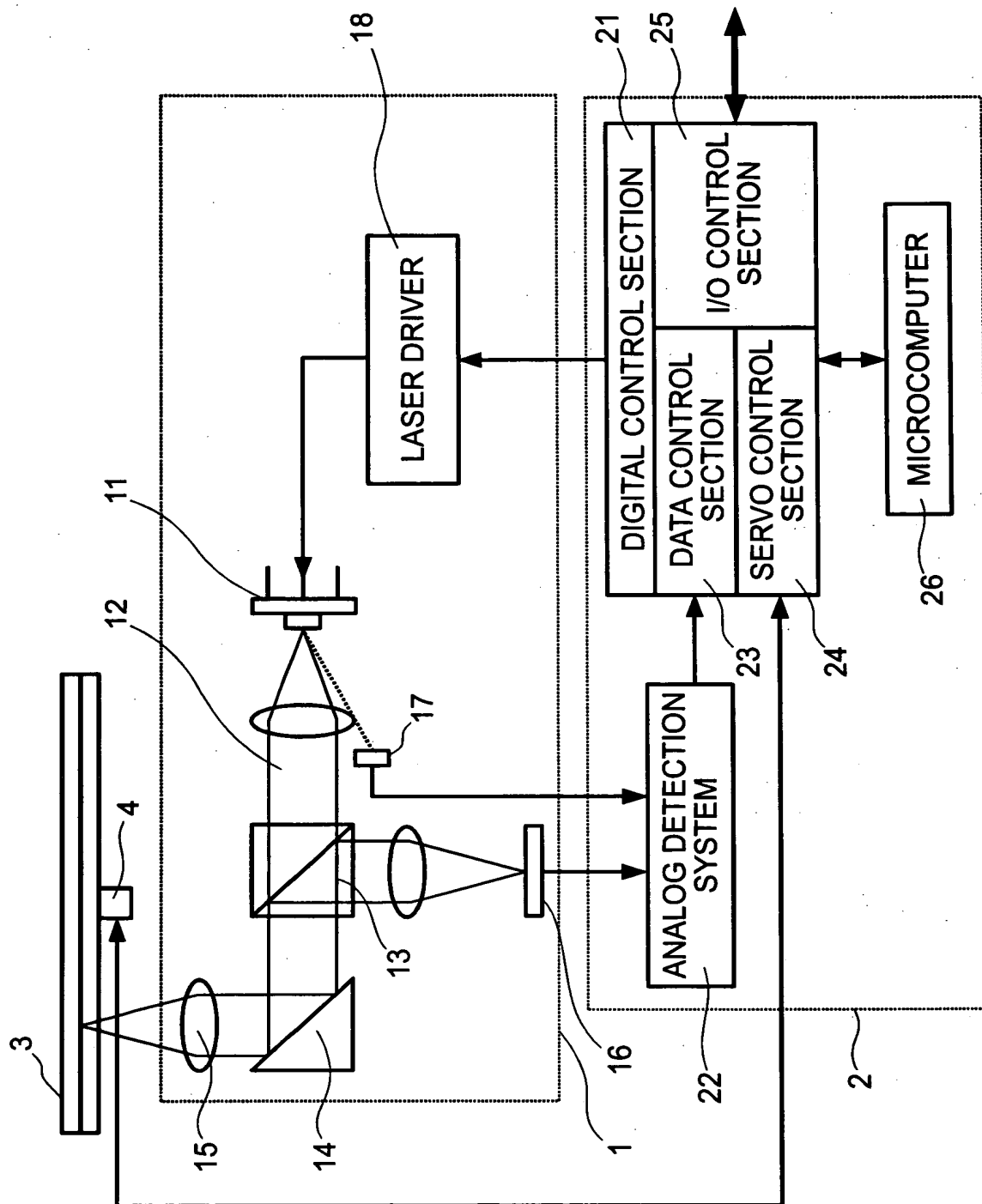
Applicant: Masaaki KUREBAYASHI, et al.

Title: Writing Waveform Controlling Method and Optical Disk...

Atty D cket N . 16869P-097100US

Sh et 1 of 9

FIG. 1



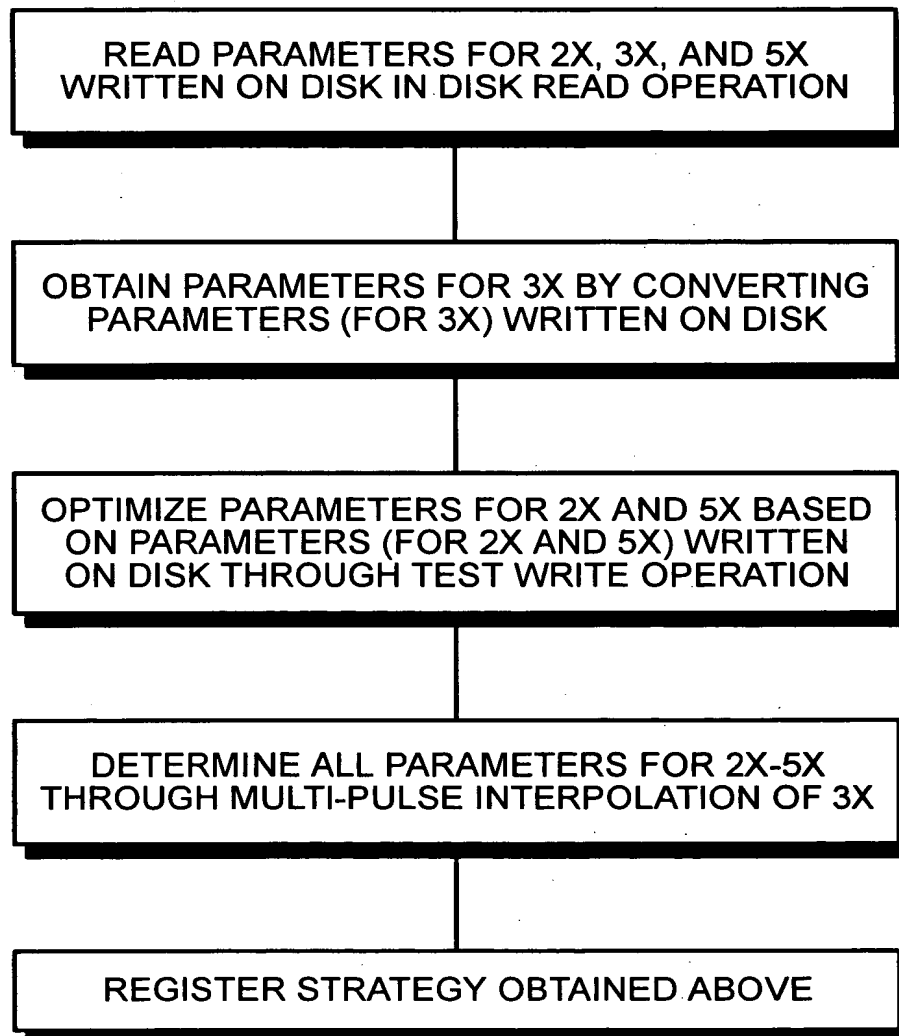
Applicant: Masaaki KUREBAYASHI, et al.

Title: Writing Waveform Controlling Method and Optical Disk...

Atty Dock t No. 16869P-097100US

Sheet 2 of 9

FIG.2



Applicant: Masaaki KUREBAYASHI, et al.

Title: Writing Waveform Controlling Method and Optical Disk...

Attorney's Office: 16869P-097100US

Sheet 3 of 9

FIG.3

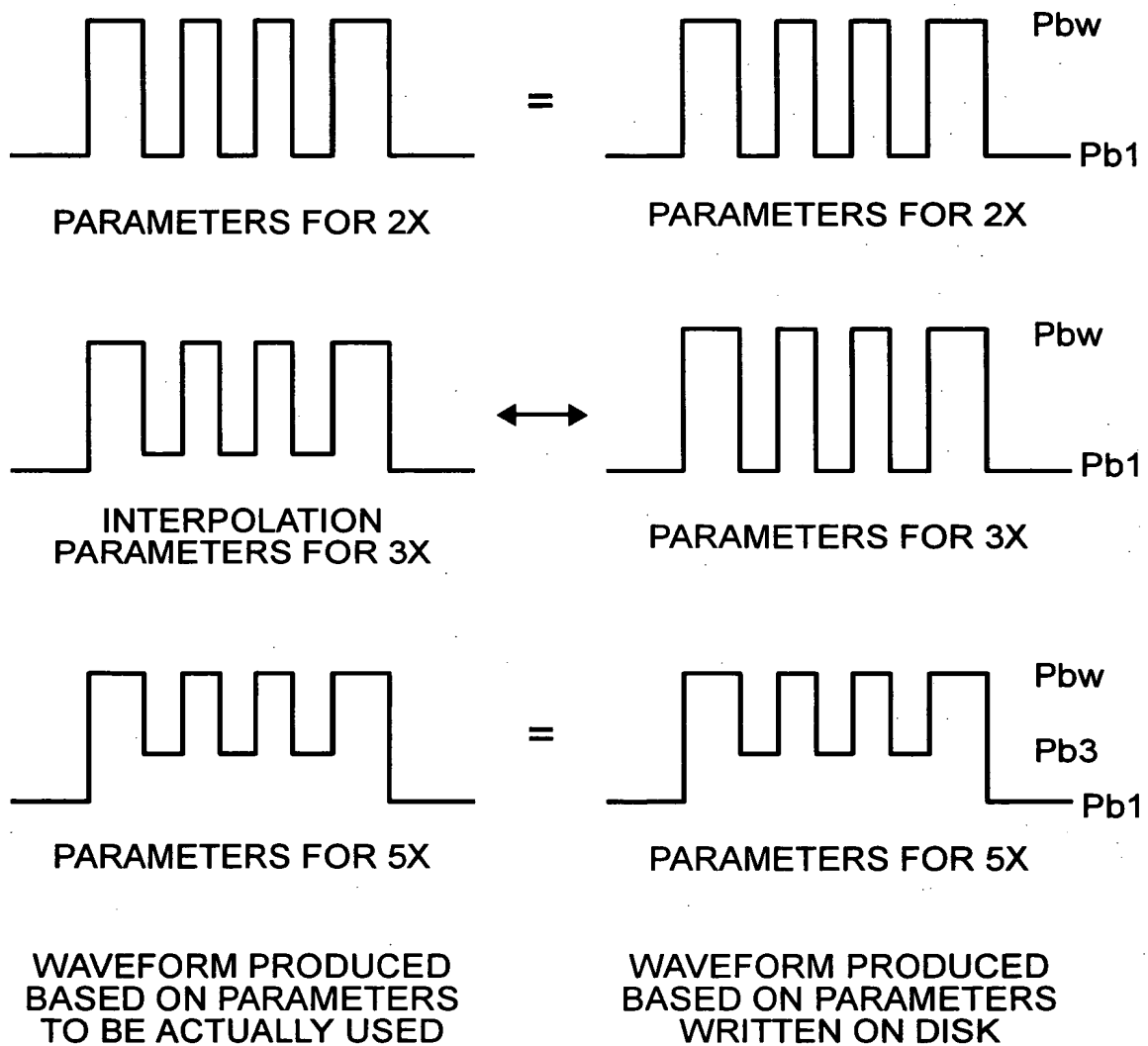
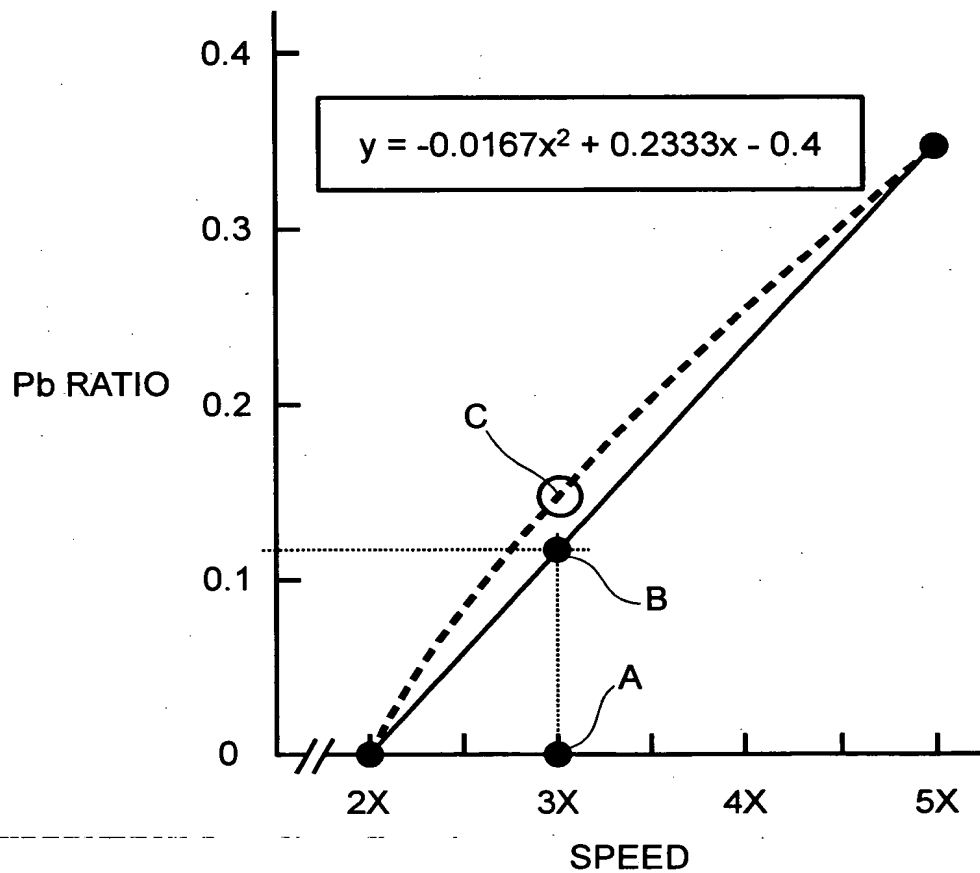
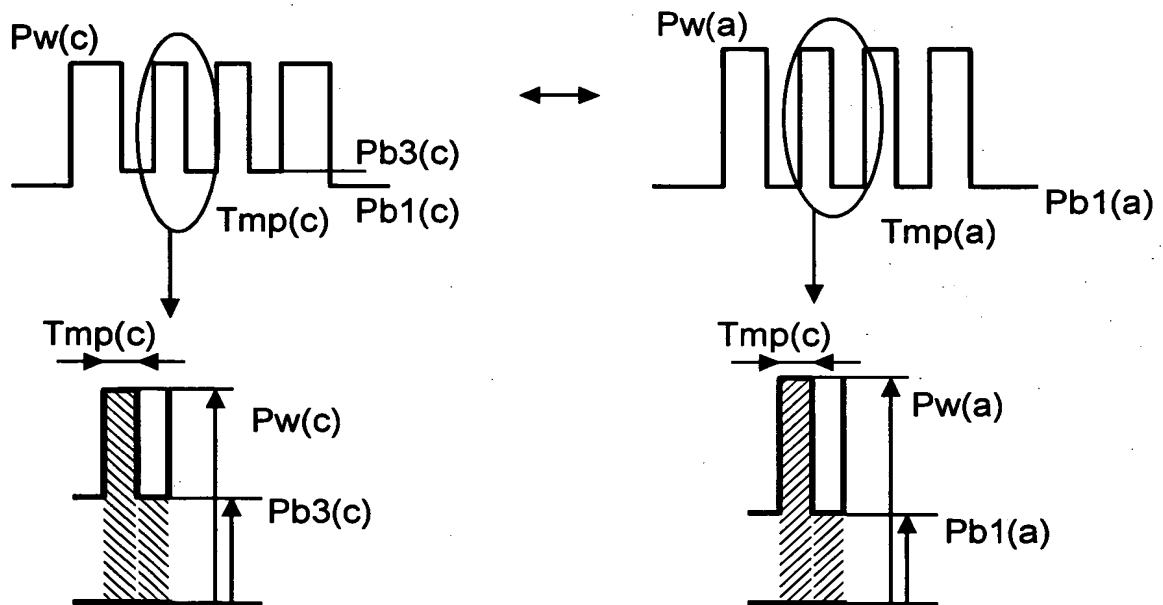


FIG. 4



$$\text{Pb RATIO} = (\text{Pb3} - \text{Pb1}) / (\text{Pw} - \text{Pb1})$$

FIG.5



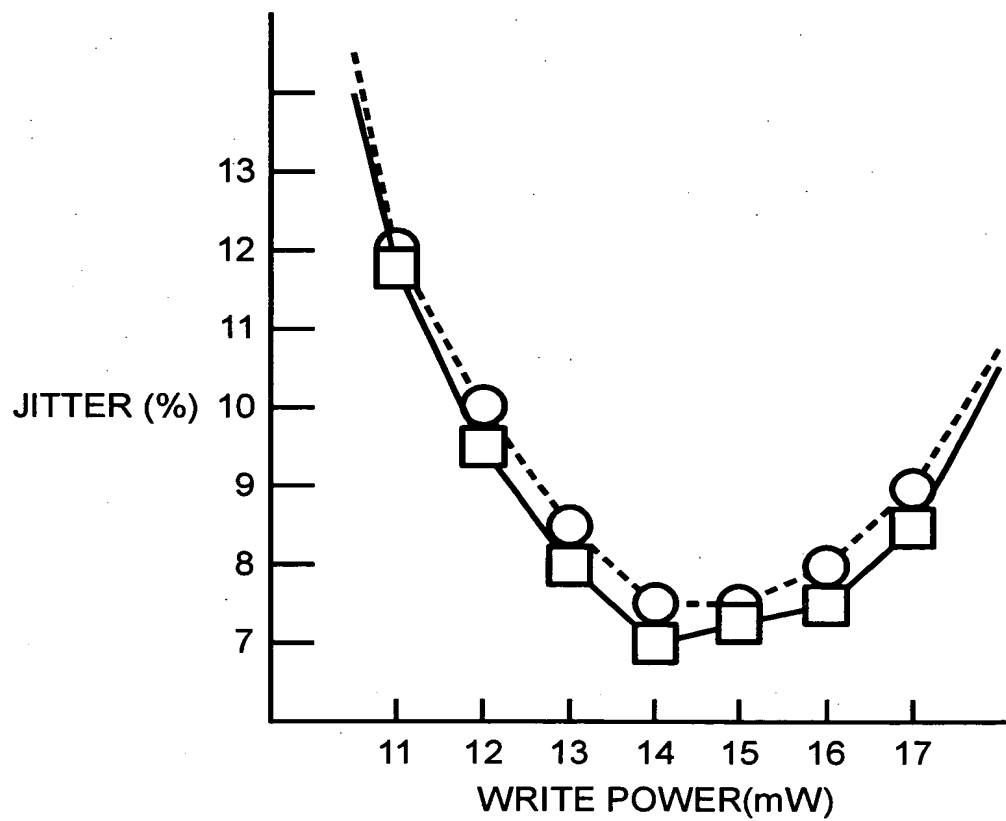
$$Pw(c) \times Tmp(c) + Pb3(c) \times (1-Tmp(c)) = Pw(a) \times Tmp(a) + Pb1(a) \times (1-Tmp(a))$$

PARAMETERS FOR 3X
AFTER CONVERSION (POINT C)

PARAMETERS FOR 3X
WRITTEN ON DISK (POINT A)

CORRECTING METHOD

FIG.6

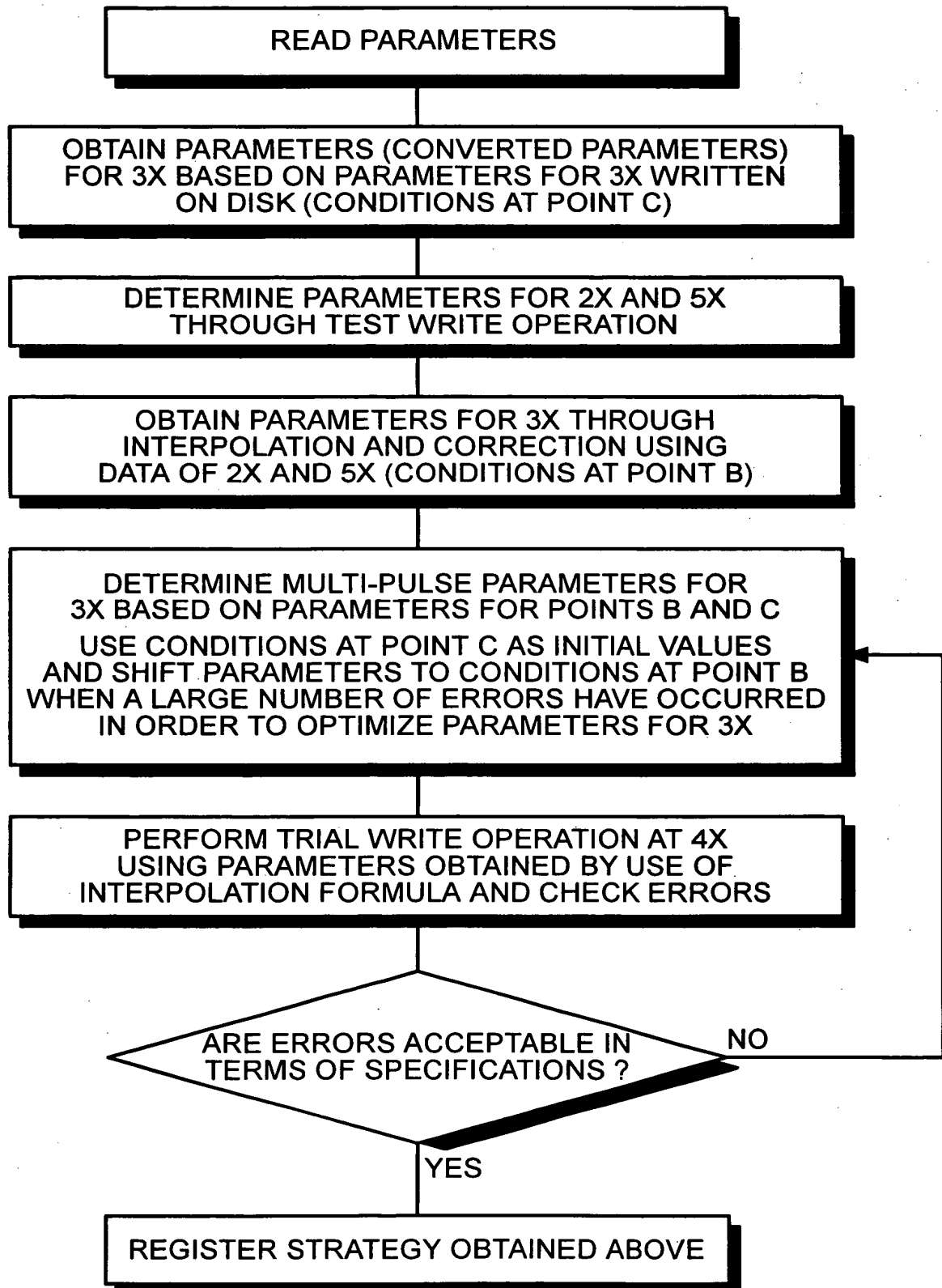


Applicant: Masaaki KUREBAYASHI, et al.

Title: Writing Waveform Controlling Method and Optical Disk...

Atty Dock t No. 16869P-097100US

Sheet 7 of 9

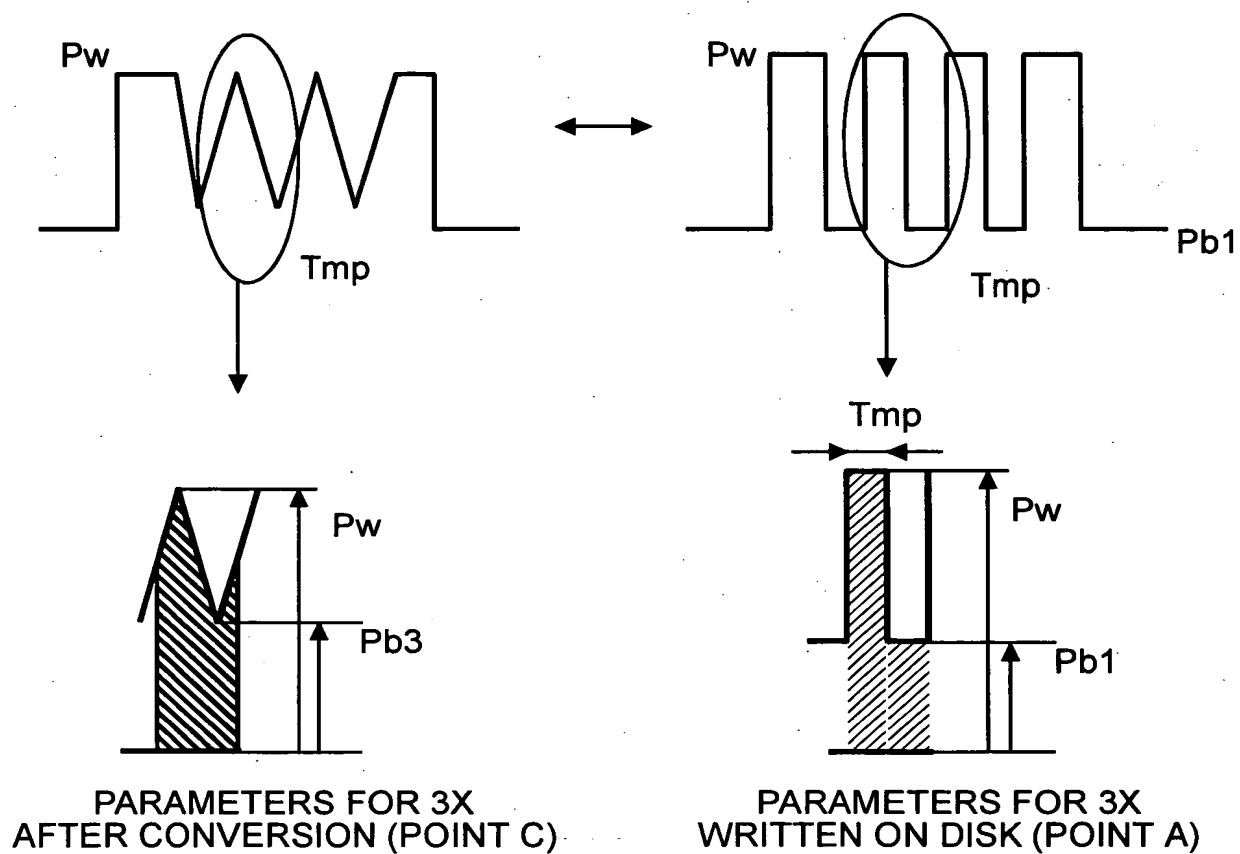
FIG.7

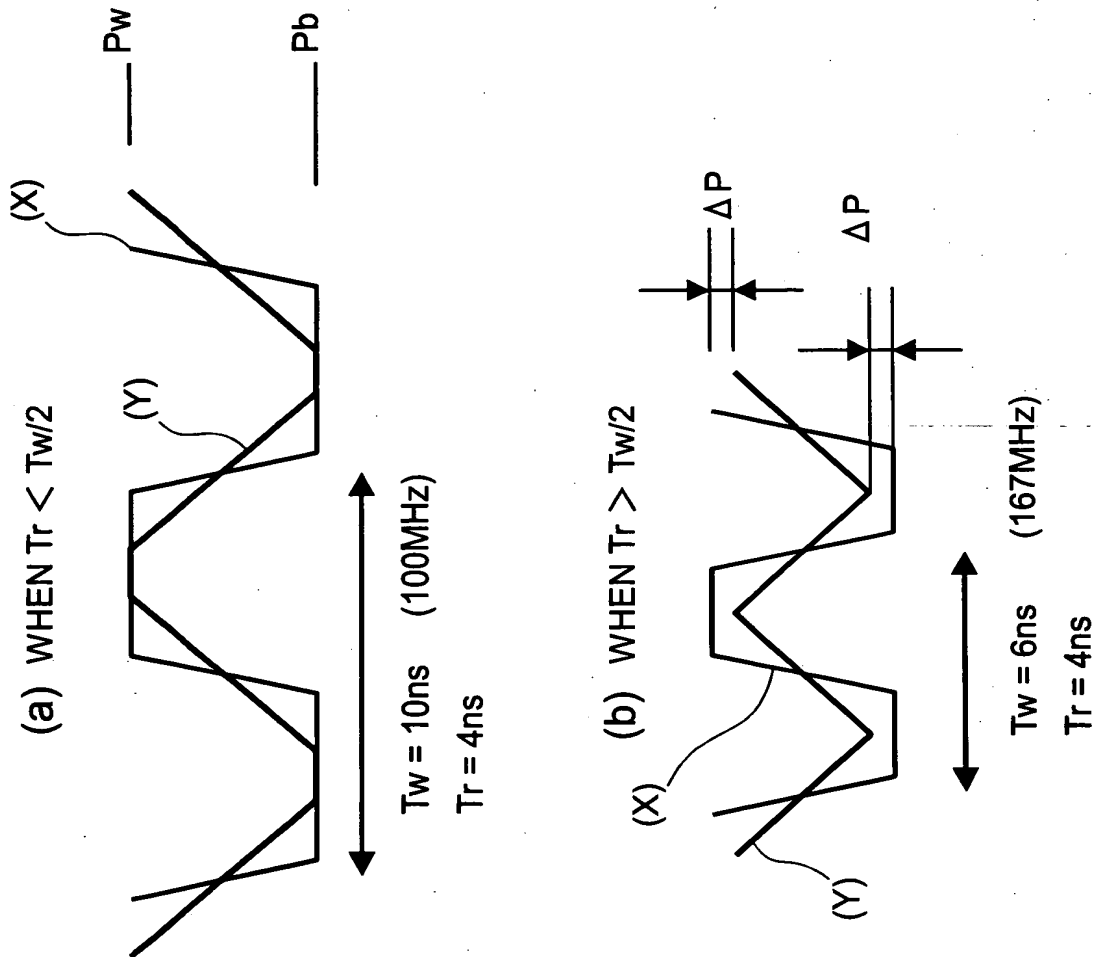
Applicant: Masaaki KUREBAYASHI, et al.

Title: Writing Waveform Controlling Method and Optical Disk...

Atty Docket No. 16869P-097100US

Sheet 8 of 9

FIG.8**CORRECTING METHOD**



$\Delta P = (\text{INCLINATION OF IRRADIATION POWER}) \times (\text{ADDITIONAL TIME REQUIRED TO REACH SATURATION})$

$$\Delta P = (P_w - P_b) / T_r \times (T_r - T_w/2) / 2$$